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New Weather Bureau Publication

Research Paper No. 42, "A Detailed Analysis of the Fargo Tornadoes of June 20, 1957," by T. Fujita, U.S. Weather Bureau, Washington, D.C., 1960, 67 pp. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington 25, D.C. Price: 45 cents.

The research reported in this paper was conducted by the University of Chicago for the U.S. Weather Bureau. Using the abundant photographs of the five individual tornadoes of this family, the author successfully triangulated the dimensions of the system from the tornado funnel to the entire rotating cloud. Important results in regard to the intense vertical motion inside the wall cloud and the possibility of liquid water storage inside the rotating cloud will lead to future theoretical studies of tornadoes and their related systems. Numerous photographs show the tornadoes in action.